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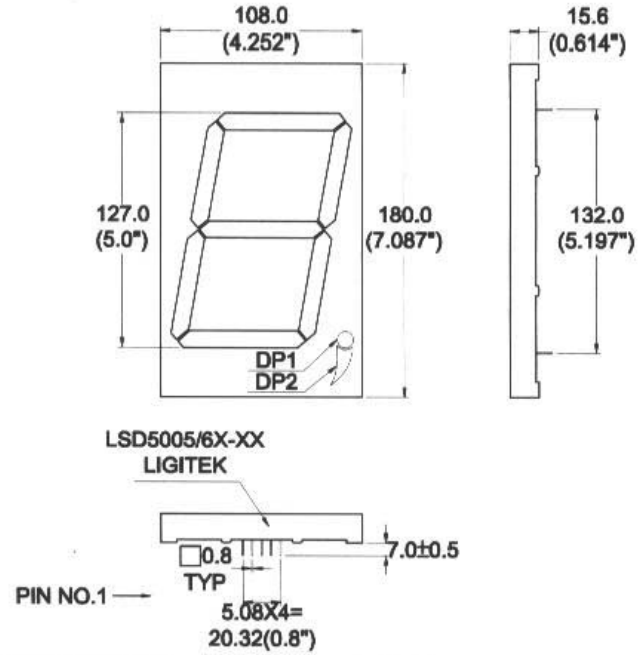
Jameco Part Number 202534

LIGITEK

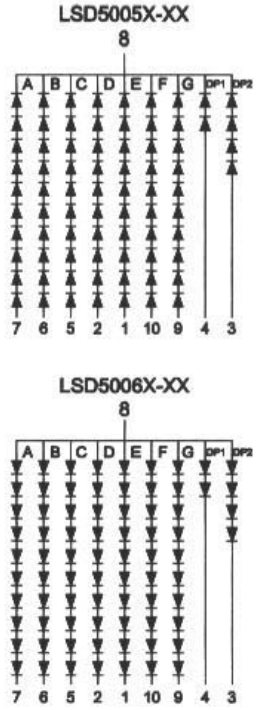
SINGLE DIGIT LED DISPLAY (5.0 Inch) **LSD5005/6X-XX** *SERIES* *Page 1/2*

PACKAGE DIMENSION



NOTE:1.All Dimension Are In Millimeters And (Inch)
Tolerance Is ±0.25(0.01") unless Otherwise Noted
2.Specifications are subject to change without notice.

INTERNAL CIRCUIT DIAGRAM



• Connection To Electrical Schematic

Electrical connection

PIN NO.	LSD5005X-XX	PIN NO.	LSD5006X-XX
1	Anode E	1	Cathode E
2	Anode D	2	Cathode D
3	Anode DP2	3	Cathode DP2
4	Anode DP1	4	Cathode DP1
5	Anode C	5	Cathode C
6	Anode B	6	Cathode B
7	Anode A	7	Cathode A
8	Common Cathode	8	Common Anode
9	Anode G	9	Cathode G
10	Anode F	10	Cathode F

文件編號: QW0905-S5005/6X-XX 版本: A 生效日期: 12 - Dec - 2001

• Part Selection And Application Information(Ratings At 25℃ Ambient)

PART NO	CHIP		common cathode or anode	λP (nm)	λD (nm)	△λ (nm)	Electrial					IV-M
							Vf(v)			Iv(mcd)		
	material	*emitted*					*Min*	Typ	*Max*	*Min*	Typ	
LSD50052V-XX	GaP	Green	Common Cathode	565	—	30	17	21	28	25	45	2:1
LSD50053V-XX	AlGaInP	Yellow		—	595	15	17	20	28	25	45	2:1
LSD50054-XX	GaAsP/GaP	Orange		635	—	45	17	21	28	20	35	2:1
LSD50055-XX	GaAlAs	Red		660	—	20	15	17	24	27	45	2:1
LSD50062V-XX	GaP	Green	Common Anode	565	—	30	17	21	28	25	45	2:1
LSD50063V-XX	AlGaInP	Yellow		—	595	15	17	20	28	25	45	2:1
LSD50064-XX	GaAsP/GaP	Orange		635	—	45	17	21	28	20	35	2:1
LSD50065-XX	GaAlAs	Red		660	—	20	15	17	24	27	45	2:1

• Absoult Maximum Rating (Ta=25℃)

Parameter	Red	Green	Yellow	Orange	Unit	Remark
Forward Current Per Chip	SR	VG	VY	E		
	40	30	30	30	mA	
Peak Current Per Chip (Duty 1/10,0.1mS Pulse Width)	200	120	200	120	mA	
Power Dissipation Per Chip	110	100	85	100	mW	
Derating Linear From 25℃ Per Chip	0.45	0.45	0.45	0.45	mA/℃	
Reverse Current Per Any Chip	10	10	10	10	μA	
Operating Temperature	-25℃ TO +85℃					
Storage Temperature	-25℃ TO +85℃					
Solder Temperature 1-16 Inch Below Seating Plane For 3 Seconds At 260℃						

• Test Condition For Each Parameter

Parameter	Symbol	Unit	Test Condition
Forward Voltage Per Chip	Vf	volt	If=20mA
Luminous Intensity Per Chip	Iv	mcd	If=10mA
Dominant Wavelength	λD	nm	If=20mA
Peak Emission Wavelength	λP	nm	If=20mA
Spectral Line Half-Width	△λ	nm	If=20mA
Reverse Current Any Chip	Ir	μA	Vr=5V
Luminous Intensity Matching Ratio	IV-M		